SEQUENCES CHARACTERISTIC OF
GENES CONFERRING NEURAL PLASTICITY

Abstract of the Disclosure

The disclosed invention generally relates to newly identified polynucleotide sequences capable of conferring neural plasticity to neurons. Additionally, this application encompasses the complete gene sequences, the polypeptides associated therewith, and methods of using. These methods include the use of the sequences for gene therapy, including the treatment or cure of genetic diseases, for the treatment of degenerative disorders, for the treatment of neuron damage, and for the treatment of learning disorders. Additionally, these sequences are useful to enhance memory and learning capacity.

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